

ABSTRACT

An optical disk having a diameter less than 140 mm and, a thickness of $1.2 \text{ mm} \pm 0.1 \text{ mm}$, with a plurality of record tracks having data recorded thereon as embossed pits representing information and exhibiting a track pitch in the range between $0.646 \text{ } \mu\text{m}$ and $1.05 \text{ } \mu\text{m}$; with the tracks being divided into a lead-in area, a program area and a lead-out area. The data includes table of contents (TOC) information recorded in a plurality of sectors in at least one TOC track and user information recorded in a plurality of sectors in user tracks; with the TOC information including addresses of start sectors recorded in the user tracks. The data (both user and TOC information) is encoded in a long distance error correction code having at least eight parity symbols, and is run length limited (RLL) modulated.

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